## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	4130	(123/25R-25M,54.1,55.2,55.6,55.7,58.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/25 11:59
L3	3815	(123/66,68,69R,69V,70R,70V,71R,71V).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/25 11:59
L4	24176	(compress\$4 or pump\$4) near3 (cylinder or chamber) near20 (double or either or second or sides or two) near20 piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:01
L5	501	(2 3) and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:02

L6	148172	(four or "4") near3 (cycle or stroke)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:02
L7	252	5 not 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:03
L8	0	("1900858").URPN.	USPAT	OR	ON	2011/01/25 12:10
L9	716	(chamber or cylinder) near5 (compress\$4 or pump\$4) near30 (chamber or cylinder) near5 (power or combustion or expansion) near40 (tandem or coaxial\$4 or "end to end")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:26
L10	98	(2 3 4) and 9 not 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:27
L11	84	10 not 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:27
L12	1	("2339848").URPN.	USPAT	OR	ON	2011/01/25 12:28

L13	3228	(chamber or cylinder) near5 (compress\$4 or pump\$4) near30 (chamber or cylinder) near5 (power or combustion or expansion) near40 (tandem or coaxial\$4 or "end to end" or longitudinal\$4 or align\$4 or (end near6 (connect\$4 or attach\$4 or mount\$4 or locat\$4 or position\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:34
L14	36586	(compress\$4 or pump\$4) near5 (cylinder or chamber) near20 (double or either or second or sides or two or opposit\$4 or both) near20 piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:36
L15	24185	(power or expansion or expanding or combustion) near5 (cylinder or chamber) near20 (double or either or second or sides or two or opposit\$4 or both) near20 piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:37
L16	684	(13 and 14 and 15) not (7 or 11 or 12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:37
L17	633	16 not camshaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:38
L18	411	(scaveng\$4 or ((two or "2") near3 (cycle or stroke)) or (water near10 (chamber or cylinder))) and 16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:39

L19	262	(("5860481") or ("6035637") or ("4813387") or	US-PGPUB;	OR	OFF	2011/01/25
		("5699758") or ("5701864") or ("5813371") or	USPAT;			12:58
		("4270352") or ("4294201") or ("4357916") or	USOCR; FPRS;			
		("4557347") or ("4880360") or ("4917054") or	EPO; JPO;			
		("4979476") or ("4996953") or ("5228414") or	DERWENT;			
		("5383427") or ("5509382") or ("5799629") or	IBM TDB			
		("5942258") or ("6089195") or ("6167874") or	_			
		("6244826") or ("4248183") or ("4257365") or				
		("4296714") or ("4343368") or ("4344405") or				
		("4415313") or ("4442758") or ("4450754") or				
		("4465032") or ("4467759") or ("4558832") or				
		("4565167") or ("4566635") or ("4593846") or				
		("4599976") or ("4776308") or ("4805882") or				
		("4834032") or ("4836153") or ("4964379") or				
		("5007659") or ("5014514") or ("5025757") or				
		("5189996") or ("5190446") or ("5193517") or				
		("5219152") or ("5243938") or ("5265566") or				
		("5309820") or ("5480100") or ("5505172") or				
		("5586482") or ("5586540") or ("5593290") or				
		("5634779") or ("5638777") or ("5713314") or				
		("5775201") or ("5870993") or ("5975042") or				
		("6062187") or ("6082342") or ("6098588") or				
		("6173938") or ("6199541") or ("6202600") or				
		("6209495") or ("6209495") or ("4244329") or				
		("4248189") or ("4264281") or ("4269064") or				
		("4278189") or ("4279577") or ("4300482") or				
		("4336686") or ("4341076") or ("4344390") or				
		("4353331") or ("4359921") or ("4361075") or				
		("4370959") or ("4377374") or ("4393653") or				
		("4393818") or ("4404831") or ("4413486") or				
		("4437588") or ("4446831") or ("4450796") or				
		("4450795") or ("4450685") or ("4454712") or				
		("4455125") or ("4455977") or ("4458480") or				
***		("4461613")).PN.	}	}		

L20	255	19 not (7 10 11 12 18)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 12:59
L21	92	(scaveng\$4 or ((two or "2") near3 (cycle or stroke)) or (water near10 (chamber or cylinder))) and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 13:00
L22	326	(123/62).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/25 13:04
L23	305	22 not (7 10 11 12 18 19)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/25 13:05

## **EAST Search History (Interference)**

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## 1/25/2011 1:16:38 PM

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